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### **Abstract**

10 A microscopy system allows to superimpose a light optically  
generated microscopic image of an object with an  
electronically generated image. The electronically  
generated image is composed of two input images, one of  
which is independent of optical settings of an ocular tube,  
such as a rotational position and a magnification thereof,  
and the other input image is dependent of the optical  
15 setting.